

Notice of Allowability

Application No.

10/609,063

Applicant(s)

GOLDSTONE, MARC B.

Examiner

Edwin A. León

Art Unit

2833

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Election of 10/01/04 and Interview Summary of 11/10/04.
2. ☒ The allowed claim(s) is/are 1-3 and 16-18.
3. ☒ The drawings filed on 6/27/03 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
 - * Certified copies not received: _____.

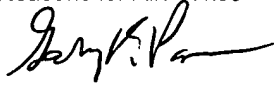
Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input checked="" type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date <u>11/10/04</u> . |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____ |


Gary Paumen
Primary Examiner

DETAILED ACTION

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Eric King on November 10, 2004.

The application has been amended as follows:

On Claim 1, Line 2, change "for mounting" to --mounted--; Line 3, after "cable connector" add --in a direction parallel to the PCB-- and change "configured for mounting" to --mounted--; Line 9, change "for mounting" to --mounted--; and Line 10, after "extending" add --directly--.

On Claim 16, Line 5, after "cable connector" add --in a direction parallel to the PCB--; Line 8, after "cable connector" add --in a direction parallel to the PCB--; Line 9, delete "for"; Line 11, change "for mounting" to --mounted--; and Line 12, after "extending" add --directly--.

Allowable Subject Matter

2. Claims 1-3 and 16-18 are allowed.

The following is an examiner's statement of reasons for allowance:

Applicant's admitted prior art discloses a raised Serial Advanced Technology Attachment (SATA) Printed Circuit Board (PCB) connector (1) for mounting to a printed circuit board (2), the raised SATA PCB connector (1) configured for connection with a SATA cable connector and configured for mounting onto a first side of a PCB (2) in opposing relation with another raised SATA PCB connector (1) similarly mounted onto a second side of the PCB (2) and also configured for connection with a SATA cable connector, the raised SATA PCB connector (1) comprising: a blade connector (3) for supporting an electrical contact arrangement compatible with a SATA standard; and a raised mounting portion (5) for mounting to a first side of a PCB (2), the raised mounting portion extending from the PCB (2). See Fig. 1.

Wu (U.S. Patent No. 6,589,074) discloses a raised Serial Advanced Technology Attachment (SATA) Printed Circuit Board (PCB) connector (1) for mounting to a printed circuit board (5), the raised SATA PCB connector (1), the raised SATA PCB connector (1) comprising: a blade connector (23) for supporting an electrical contact arrangement (3) compatible with a SATA standard; and a raised mounting portion (20, 21), the raised mounting portion (20, 21) extending from the PCB (1); wherein the blade connector (23)

is integrally formed with the raised mounting portion (20, 21) and projects from the raised mounting portion (20, 21). See Figs. 1-7.

However, the references fail to teach, disclose, or suggest, either alone or in combination, the raised SATA PCB connector configured for connection with a SATA cable connector in a direction parallel to the PCB and the raised mounting portion extending directly from the PCB and the blade connector being integrally formed with the raised mounting portion and projecting from the raised mounting portion and in combination with the rest of the limitations of the base claims.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

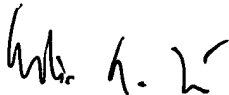
Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Lynch et al. (U.S. Patent No. 6,702,620), Garret et al. (U.S. Patent No. 6,811,427), Maiers (U.S. Patent No. 6,764,344) and Cheng et al. (U.S. Patent No. 6,739,883) disclose SATA printed circuit board connector having raised portions, blade connectors and printed circuit boards.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Edwin A. León whose telephone number is (571) 272-2008. The examiner can normally be reached on Monday - Friday 10:00-6:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Paula A. Bradley can be reached on 571-272-2800, extension 33. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Edwin A. Leon
AU 2833



Gary Paumen
Primary Examiner